

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((force torque) and sensor and transducer and (data adj acquisition) and (power adj supply) and (multi adj conductor adj cable) and signal and analog and digital and memory and stor\$3 and calibration).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:21
L3	168	73/862.474.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:22
L4	504	324/539.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 16:50
L5	443	340/665.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:23
L6	1368	375/257.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:23
L7	106	((force torque) with (sensor transducer)) and housing and (data adj acquisition adj system) and memory and digital and calibration )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:36
L8	730	324/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:27

## EAST Search History

L9	0	7 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:28
L10	67840	((force torque FT) near3 (sensor transducer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:33
L11	10	10 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:28
L12	31066	(force torque FT) adj (sensor )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:36
L13	36	( FT) adj (sensor )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:33
L14	2	13 and (force torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:36
L15	31032	(force torque ) adj (sensor )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:01
L16	1459	(force torque ) adj (sensor ) with housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:39

## EAST Search History

L17	2	3 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:39
L18	24857	(power adj supply) with housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:39
L19	31	18 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:50
L21	1	10/608758	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:33

## EAST Search History

L27	46	(US-20030194946-\$ or US-20030065467-\$ or US-20030197679-\$ or US-20040264581-\$ or US-20050061081-\$ or US-20070034394-\$ or US-20060082944-\$ or US-20020120260-\$).did. or (US-6353577-\$ or US-5857777-\$ or US-6357303-\$ or US-6369718-\$ or US-6475153-\$ or US-6373262-\$ or US-6533729-\$ or US-6602109-\$ or US-6928886-\$ or US-6985791-\$ or US-7014368-\$ or US-5539323-\$ or US-6609076-\$ or US-4591944-\$ or US-4320392-\$ or US-4141348-\$ or US-4714893-\$ or US-4444061-\$ or US-4703663-\$ or US-4704909-\$ or US-4794328-\$ or US-4796027-\$ or US-4903284-\$ or US-5712563-\$ or US-4833624-\$ or US-6216056-\$).did. or (US-5355129-\$ or US-5440237-\$ or US-4751654-\$ or US-5959538-\$ or US-4878102-\$ or US-5365796-\$ or US-3763701-\$ or US-5573079-\$).did. or (EP-1172322-\$ or FR-2588957-\$). did. or (US-6450040-\$ or EP-263219-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/29 16:18
L28	26	15 and 27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 16:19
L29	6	28 and (data adj acquisition adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:14
L30	730	324/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 16:50

## EAST Search History

L31	2	15 and 30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 16:51
L32	12610	((force torque ) and (sensor )).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:01
L33	7360	((force torque ) near2 (sensor )). ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:02
L34	44	33 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:35
L35	15	33 and 324/207.11-207.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:09
L36	198	73/862.325.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:10
L37	1	36 and (data adj acquisition adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:14

## EAST Search History

L38	48	(US-20030194946-\$ or US-20030065467-\$ or US-20030197679-\$ or US-20040264581-\$ or US-20050061081-\$ or US-20070034394-\$ or US-20060082944-\$ or US-20020120260-\$).did. or (US-6353577-\$ or US-5857777-\$ or US-6357303-\$ or US-6369718-\$ or US-6475153-\$ or US-6373262-\$ or US-6533729-\$ or US-6602109-\$ or US-6928886-\$ or US-6985791-\$ or US-7014368-\$ or US-5539323-\$ or US-6609076-\$ or US-4591944-\$ or US-4320392-\$ or US-4141348-\$ or US-4714893-\$ or US-4444061-\$ or US-4703663-\$ or US-4704909-\$ or US-4794328-\$ or US-4796027-\$ or US-4903284-\$ or US-5712563-\$ or US-4833624-\$ or US-6216056-\$).did. or (US-5355129-\$ or US-5440237-\$ or US-4751654-\$ or US-5959538-\$ or US-4878102-\$ or US-5365796-\$ or US-3763701-\$ or US-5573079-\$ or US-4784002-\$ or US-5445036-\$).did. or (EP-1172322-\$ or FR-2588957-\$). did. or (US-6450040-\$ or EP-263219-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/08/29 17:35
L39	11	38 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 17:35
S1	1	10/608758	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:34
S2	1	((force torque) and sensor and housing and transducer and (data adj acquisition adj system) and (multi adj conductor adj cable) and memory and storing and digital and calibration ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 11:54

## EAST Search History

S3	1	((force torque) and sensor and housing and transducer and (data adj acquisition adj system) and (multi adj conductor adj cable) and memory and storing and digital and calibration )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 14:46
S4	177	((force torque) and sensor and housing and transducer and (data adj acquisition adj system) and memory and storing and digital and calibration )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 11:55
S5	1	((force torque) and sensor and housing and transducer and (data adj acquisition adj system) and memory and storing and digital and calibration ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 11:59
S6	4	S4 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:16
S7	66	((force torque) with (sensor transducer)) and housing and (data adj acquisition adj system) and memory and storing and digital and calibration )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:25
S8	3	S7 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 11:57
S9	6	((force torque) adj sensor and housing and transducer and (data adj acquisition adj system) and memory and storing and digital and calibration )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 12:05
S10	35	ft adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/01 17:34

## EAST Search History

S11	2	(ft adj sensor) with (force torque pressure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/22 12:09
S12	2	(ft adj sensor) with (force and torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/01 17:34
S13	1333	375/257.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:23
S14	143	signal with transmit\$4 with (multi adj conductor adj cable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:40
S15	4	S13 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:36
S16	4	S14 and ((analog adj signal) with transmit\$4 with (multi adj conductor adj cable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:42
S17	712	324/601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:39
S18	0	S17 and (multi adj conductor adj cable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:40

## EAST Search History

S19	0	S17 and (multiple adj conductor adj cable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:40
S20	0	S17 and (multiple adj conductor )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 11:40
S21	502	324/539.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:22
S22	8	S21 and ((analog adj signal) with (transmit\$4 transmission))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:05
S23	12	(US-20040264581-\$ or US-20030194946-\$).did. or (US-6373262-\$ or US-6475153-\$ or US-6533729-\$ or US-6602109-\$ or US-6985791-\$ or US-6216056-\$ or US-4796027-\$ or US-4794328-\$ or US-4714893-\$ or US-4903284-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:44
S24	23846	(sensor with (power adj supply))	US-PGPUB; USPAT	OR	ON	2007/04/02 15:03
S25	50815	((force torque) near3 sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:02
S26	731	((force adj torque) near3 sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:51

## EAST Search History

S27	10	S24 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:02
S28	165	73/862.474.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:22
S29	0	S28 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:01
S30	29813	((force torque) adj sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:02
S31	719	S24 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:02
S32	185	S31 and (sensor with (housing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	OR	ON	2007/04/02 15:03
S33	108	S32 and (analog and digital)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 15:25
S34	18	(communicating with sensor with data with calibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 16:10

## EAST Search History

S35	1319	((communication adj port) with (RS adj "232"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 16:11
S36	1	S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 16:12
S37	16	S30 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 16:57
S38	304	(force and torque and sensor).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 16:58
S39	83	((force adj torque) and sensor).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/02 16:58
S40	29	(US-20040264581-\$ or US-20030194946-\$ or US-20050061081-\$ or US-20070034394-\$ or US-20030065467-\$ or US-20030197679-\$).did. or (US-6373262-\$ or US-6475153-\$ or US-6533729-\$ or US-6602109-\$ or US-6985791-\$ or US-6216056-\$ or US-4796027-\$ or US-4794328-\$ or US-4714893-\$ or US-4903284-\$ or US-6928886-\$ or US-5712563-\$ or US-6357303-\$ or US-4141348-\$ or US-5857777-\$ or US-6609076-\$ or US-4833624-\$ or US-4703663-\$ or US-4444061-\$ or US-4704909-\$).did. or (FR-2588957-\$).did. or (EP-263219-\$ or US-6450040-\$). did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/04/03 10:48

## EAST Search History

S41	427	340/665.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:23
S42	0	S41 and ((force adj torque) near3 sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:52
S43	1	S41 and ((force adj torque) near3 sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:00
S44	12	("3952880" "3921445" "4132318" "4320392").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:58
S45	759	(communication with digital with analog with signal with sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:08
S46	0	S41 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:59
S47	81	"340"/\$.ccls. and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:59
S48	85	S45 and ((force torque) near3 sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:00

## EAST Search History

S49	5	S47 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:08
S50	253	(cable with digital with analog with signal with sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:08
S51	210	S50 and (cable with digital with analog with signal with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:09
S52	1	"4320392".pn.	USPAT	OR	ON	2007/04/03 11:27
S53	34549	load adj cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:31
S54	4439	(load adj cell).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:31
S55	550	(load adj cell) with memory	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:31